



Integrated Recycling Program Pfizer Puerto Rico

Results

Team Charter

Objective	<ul style="list-style-type: none">➤ Identify and improve the best practices for non-special waste management services across all sites within the Puerto Rico Region to reduce cost.
Scope	<ul style="list-style-type: none">➤ Waste and recycling services provided by one company➤ Regional Contract➤ Bidding process

Background

- **Before**
 - Only 16% of the total waste generated in Caguas was recycled
 - An average of 20% of the non-special waste generated in Vega Baja was recycled
 - There were difficulties to find suppliers qualified by Pfizer for recycling services
 - There were budget restrictions and high costs associated to the enlargement of the recycling program
 - High cost for non-hazardous waste disposal

Pfizer Concerns on Solid Wastes

Recycling

- **EPA is taking a more assertive participation in regulating Municipal Landfills, taking a stronger enforcement against the landfill operations**
- **No company will pay for recycled materials**
- **Recycling companies are dependent on volume to obtain profit**
- **Cost of segregating and managing the received material are high**

Potential Opportunities

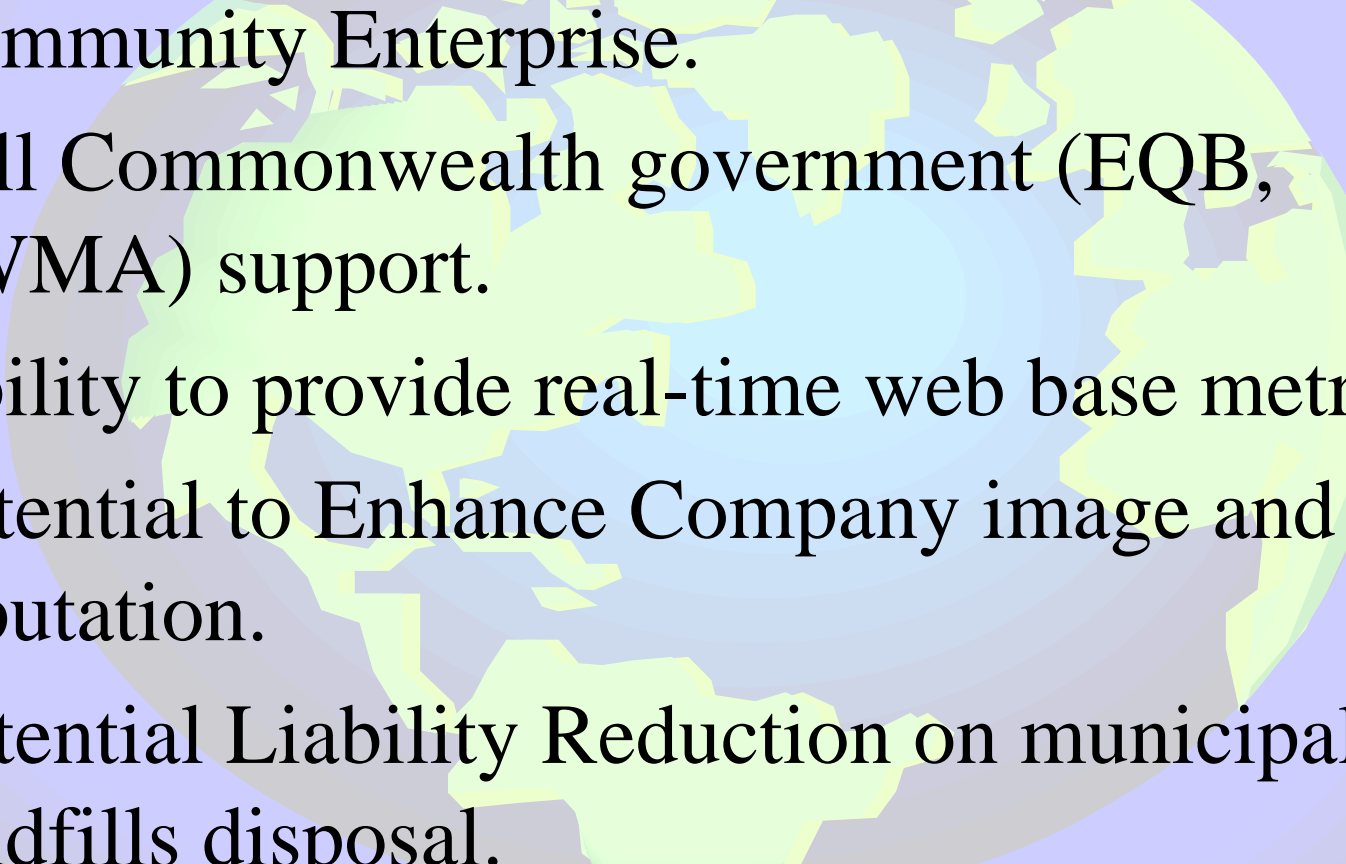
- **Standardize prices for service**
- **Reduce service cost**
- **Increase recycling materials**
- **Waste minimization**
- **Reduction of incineration materials**
- **Reciclaje del Norte (RDN), a communal corporation, was selected.**

Reciclaje Del Norte (RDN)

Proposal

- Can manage our recyclable materials, having a full time expert to identify opportunities, identifying new markets for other waste streams.
- Minimum impact to current Janitorial services. No additional tasks to them.
- No additional resources to handle recycling programs.

RDN benefits to Pfizer

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- A stylized, semi-transparent globe showing the continents in light green and the oceans in light blue, serving as a background for the text.
- Community Enterprise.
 - Full Commonwealth government (EQB, SWMA) support.
 - Ability to provide real-time web base metrics.
 - Potential to Enhance Company image and reputation.
 - Potential Liability Reduction on municipal landfills disposal.

Fact

- This project, not only represents cost savings to the region, but minimizes Pfizer's environmental footprint in Puerto Rico.



Segregation at the source and logistics with on-site RDN staff



Results

– Barceloneta

- **Cost reduction for non special waste of 42% from 2006 to 2007 (\$170,000/yr approximately)**
- **Increased the recycling rate of the non-special waste from 59% to 79%**

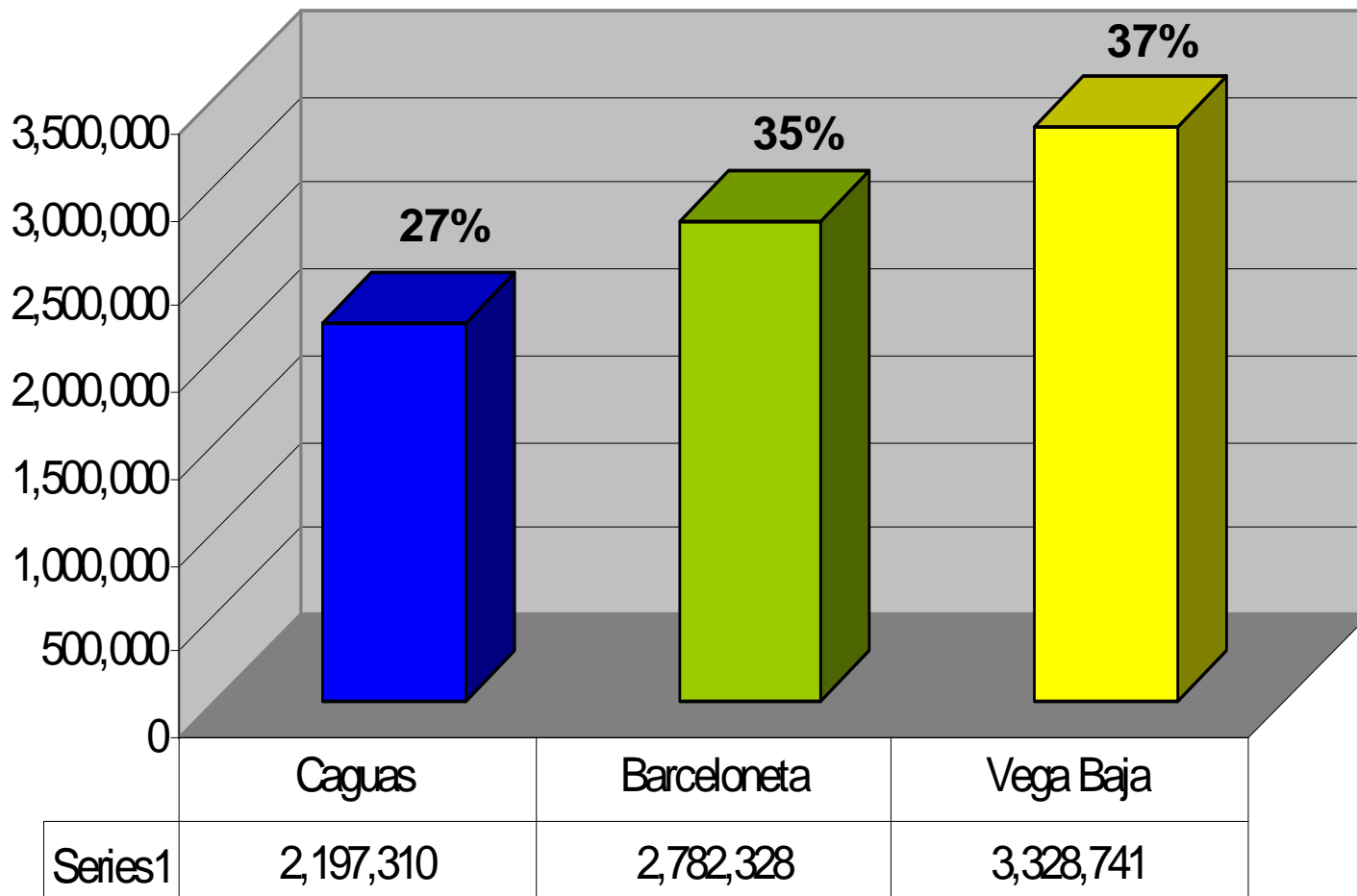
– Caguas

- **Program began in December 2006**
- **Increased the recycling rate from 16% to 45% for the first month in 2006**
- **Increased from 45% to 80% the first semester of 2007 for all the routine waste generated**

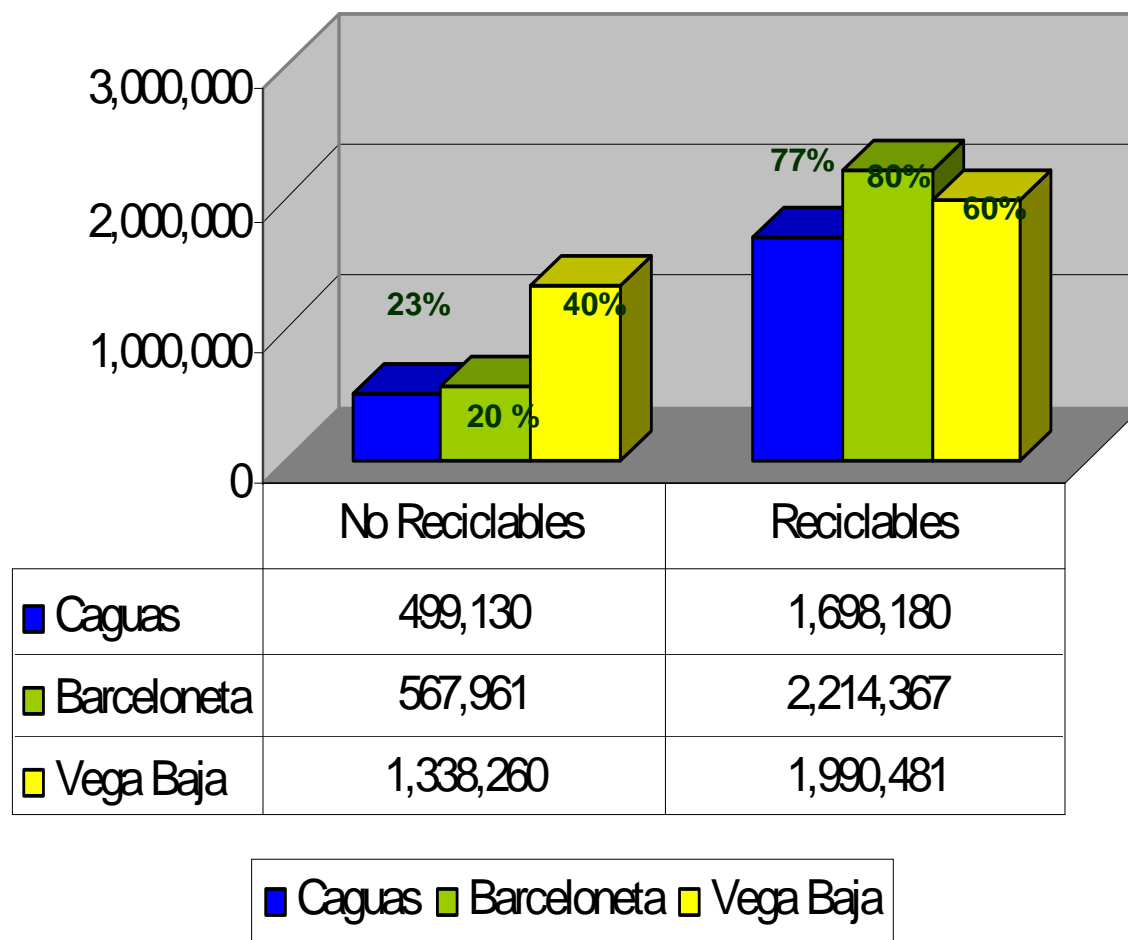
Results (continuation)

- **Vega Baja**
 - Program began in April 2007
 - Increased the recycling rate from 25% to 38% of the regular waste from 2006 to 2007
- **PR sites cost reduction of \$325,000/yr approximately**
- **Significant increase in types of materials recycled for all PR sites**

Distribucion del Total de Desperdicios Generados por Planta 2007



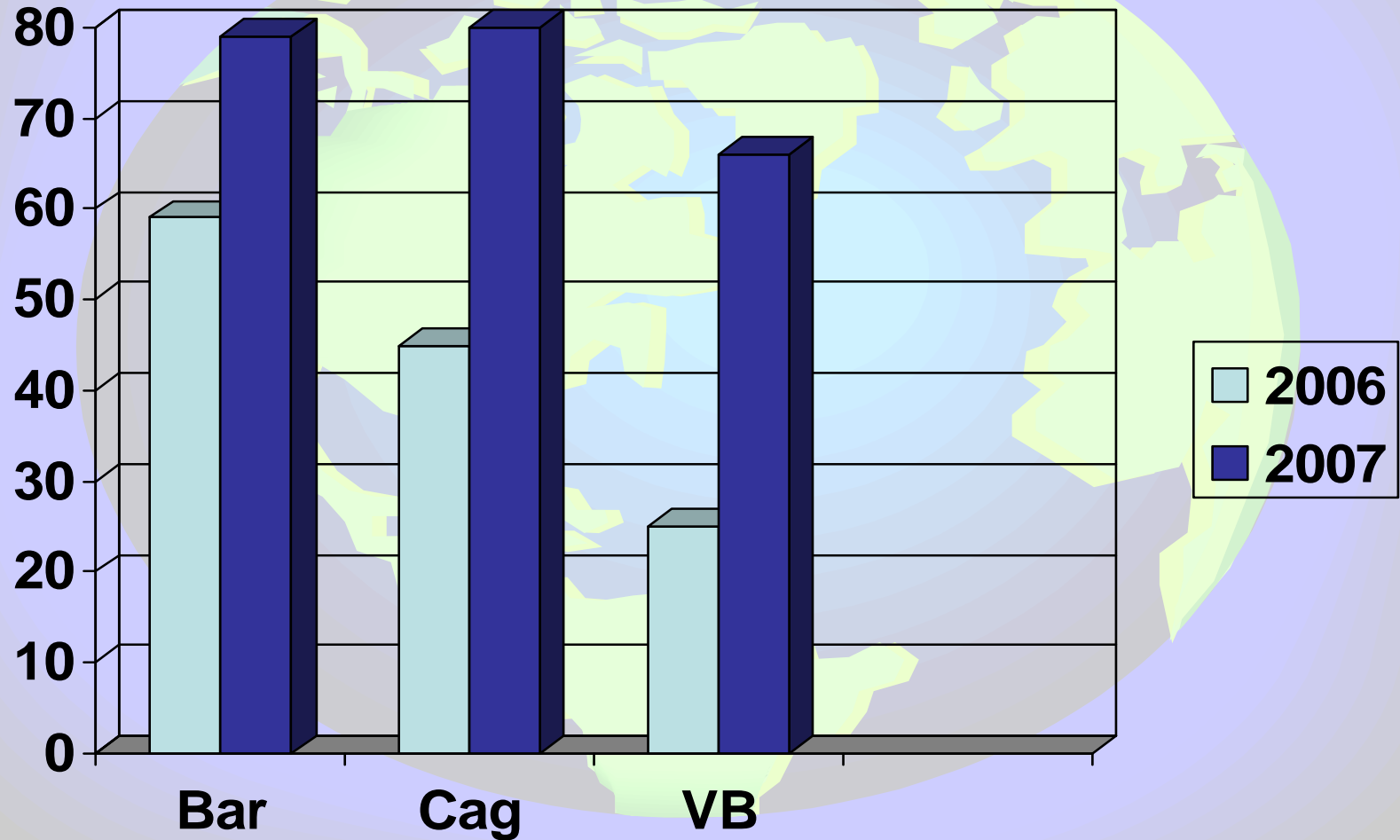
Comparacion de Desperdicios Generales por Planta Pfizer Global MFG 2007



ECONOMIAS AMBIENTALES TOTALES: REGION



PR Sites Recycling Results



Results (continuation)

Puerto Rico Integrated Recycling Program Green Building Recognition

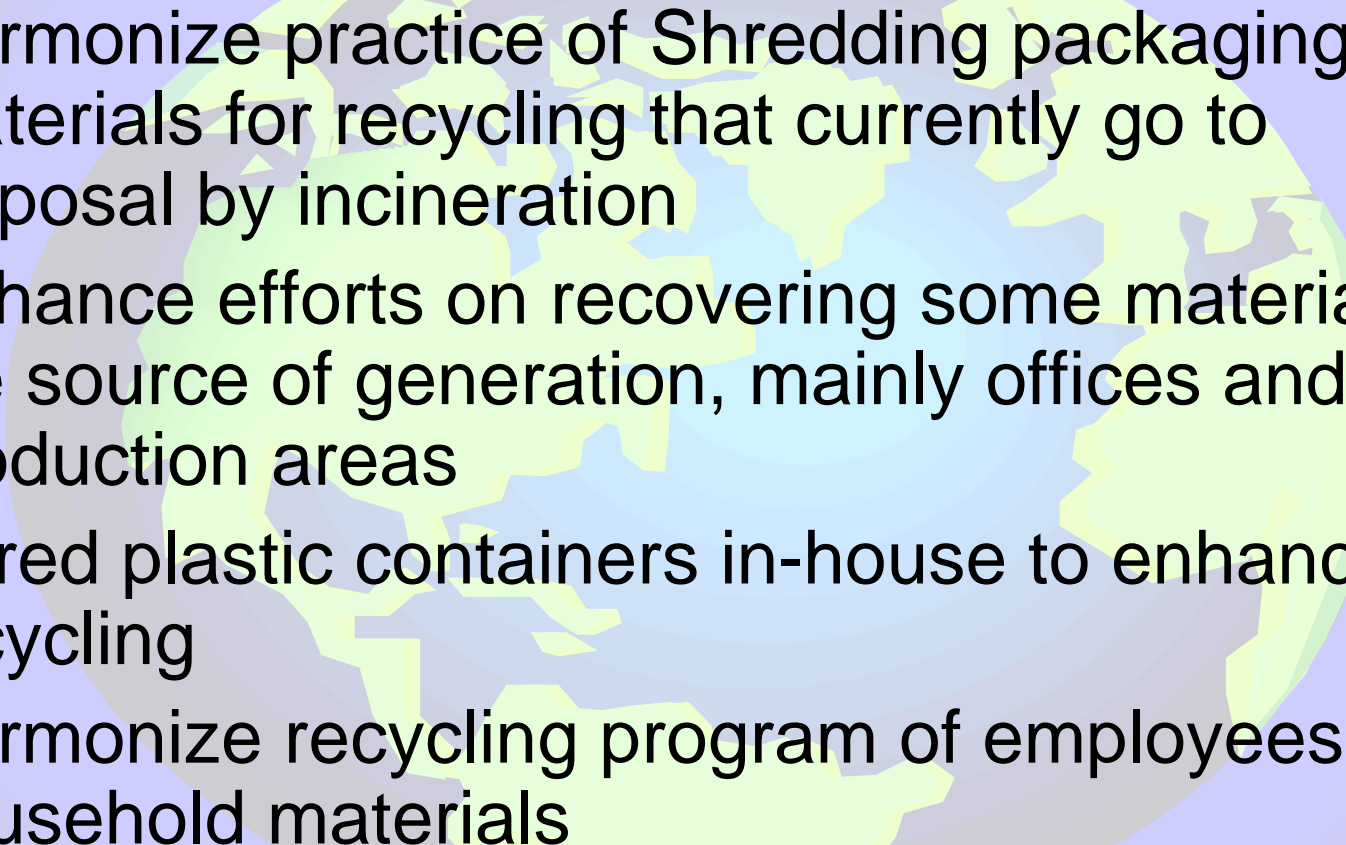
Pfizer will leverage “green” consensus standards in a manner consistent with Pfizer’s values and commitment as a good Corporate Citizen. Pfizer will integrate green building strategies into our building management and construction processes to ensure the delivery of business value in a way that focuses on facility lifecycle/project first-cost balance while minimizing environmental impact.



Next Steps: Opportunities

- **A pilot project for computers and other electronic equipment:**
 - **Surplus equipment sales agreement**
 - **Expenses on the removal and transportation covered by the buyer**
 - **10% of the refurbished equipment will be allocated for donations to the organizations and institutions selected by Pfizer and the buyer**

Next Steps: Opportunities

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- A large, stylized globe is centered in the background of the slide. The globe is rendered in shades of green and yellow, with a blue outline. It is positioned behind the list of bullet points.
- Harmonize practice of Shredding packaging materials for recycling that currently go to disposal by incineration
 - Enhance efforts on recovering some materials at the source of generation, mainly offices and production areas
 - Shred plastic containers in-house to enhance recycling
 - Harmonize recycling program of employees household materials



Questions/ Comments